

272478US0XPCT.ST25.txt  
SEQUENCE LISTING

<110> Seve, Michel  
Favier, Alain

<120> PROTEIN SPECIFIC TO PANCREATIC BETA CELLS IN ISLETS OF LANGERHANS  
AND APPLICATIONS THEREOF

<130> 272478US0XPCT

<140> 10/535,395  
<141> 2005-05-18

<150> PCT/FR03/03413  
<151> 2003-11-18

<150> FR 02/14374  
<151> 2002-11-18

<160> 10

<170> PatentIn version 3.3

<210> 1  
<211> 1110  
<212> DNA  
<213> Homo sapiens

<400> 1  
atggagtttc ttgaaagaac gtatcttggtg aatgataaag ctgccaagat gcatgctttc 60  
acactagaaa gtgtggaact ccaacagaaa ccggtgaata aagatcagtg tcccagagag 120  
agaccagagg agctggagtc aggaggcatg taccactgcc acagtggctc caagcccaca 180  
gaaaaggggg cgaatgagta cgcctatgcc aagtggaaac tctgttctgc ttcagcaata 240  
tgcttcattt tcatgattgc agaggctcgtg ggtgggcaca ttgctgggag tcttgctgtt 300  
gtcacagatg ctgcccacct cttaattgac ctgaccagtt tcctgctcag tctcttctcc 360  
ctgtggctgt catcgaagcc tccctctaag cggctgacat ttggatggca ccgagcagag 420  
atccttggtg ccctgctctc catcctgtgc atctgggtgg tgactggcgt gctagtgtac 480  
ctggcatgtg agcgcctgct gtatcctgat taccagatcc aggcgactgt gatgatcatc 540  
gtttccagct gcgcagtggc ggccaacatt gtactaactg tggttttgca ccagagatgc 600  
cttggccaca atcacaagga agtacaagcc aatgccagcg tcagagctgc ttttgtgcat 660  
gcccttgag atctatttca gagtatcagt gtgctaatta gtgcacttat tatctacttt 720  
aagccagagt ataaaatagc cgacccaatc tgcacattca tcttttccat cctggtcttg 780  
gccagcacca tcactatctt aaaggacttc tccatcttac tcatggaagg tgtgccaaag 840  
agcctgaatt acagtgggtg gaaagagctt attttagcag tcgacggggt gctgtctgtg 900  
cacagcctgc acatctggtc tctaacaatg aatcaagtaa ttctctcagc tcatgttgct 960  
acagcagcca gccgggacag ccaagtgggt cggagagaaa ttgctaaagc ccttagcaaa 1020  
agctttacga tgcactcact caccattcag atggaatctc cagttgacca ggacccccgac 1080  
tgccttttct gtgaagaccc ctgtgactag 1110

<210> 2  
 <211> 369  
 <212> PRT  
 <213> Homo Sapiens

<400> 2

Met Glu Phe Leu Glu Arg Thr Tyr Leu Val Asn Asp Lys Ala Ala Lys  
 1 5 10 15

Met His Ala Phe Thr Leu Glu Ser Val Glu Leu Gln Gln Lys Pro Val  
 20 25 30

Asn Lys Asp Gln Cys Pro Arg Glu Arg Pro Glu Glu Leu Glu Ser Gly  
 35 40 45

Gly Met Tyr His Cys His Ser Gly Ser Lys Pro Thr Glu Lys Gly Ala  
 50 55 60

Asn Glu Tyr Ala Tyr Ala Lys Trp Lys Leu Cys Ser Ala Ser Ala Ile  
 65 70 75 80

Cys Phe Ile Phe Met Ile Ala Glu Val Val Gly Gly His Ile Ala Gly  
 85 90 95

Ser Leu Ala Val Val Thr Asp Ala Ala His Leu Leu Ile Asp Leu Thr  
 100 105 110

Ser Phe Leu Leu Ser Leu Phe Ser Leu Trp Leu Ser Ser Lys Pro Pro  
 115 120 125

Ser Lys Arg Leu Thr Phe Gly Trp His Arg Ala Glu Ile Leu Gly Ala  
 130 135 140

Leu Leu Ser Ile Leu Cys Ile Trp Val Val Thr Gly Val Leu Val Tyr  
 145 150 155 160

Leu Ala Cys Glu Arg Leu Leu Tyr Pro Asp Tyr Gln Ile Gln Ala Thr  
 165 170 175

Val Met Ile Ile Val Ser Ser Cys Ala Val Ala Ala Asn Ile Val Leu  
 180 185 190

Thr Val Val Leu His Gln Arg Cys Leu Gly His Asn His Lys Glu Val  
 195 200 205

Gln Ala Asn Ala Ser Val Arg Ala Ala Phe Val His Ala Leu Gly Asp  
 210 215 220

Leu Phe Gln Ser Ile Ser Val Leu Ile Ser Ala Leu Ile Ile Tyr Phe  
 225 230 235 240

Lys Pro Glu Tyr Lys Ile Ala Asp Pro Ile Cys Thr Phe Ile Phe Ser  
 Page 2

245

250

255

Ile Leu Val Leu Ala Ser Thr Ile Thr Ile Leu Lys Asp Phe Ser Ile  
                   260                                  265                                  270

Leu Leu Met Glu Gly Val Pro Lys Ser Leu Asn Tyr Ser Gly Val Lys  
           275                                  280                                  285

Glu Leu Ile Leu Ala Val Asp Gly Val Leu Ser Val His Ser Leu His  
       290                                  295                                  300

Ile Trp Ser Leu Thr Met Asn Gln Val Ile Leu Ser Ala His Val Ala  
   305                                  310                                  315                                  320

Thr Ala Ala Ser Arg Asp Ser Gln Val Val Arg Arg Glu Ile Ala Lys  
                   325                                  330                                  335

Ala Leu Ser Lys Ser Phe Thr Met His Ser Leu Thr Ile Gln Met Glu  
                   340                                  345                                  350

Ser Pro Val Asp Gln Asp Pro Asp Cys Leu Phe Cys Glu Asp Pro Cys  
           355                                  360                                  365

Asp

<210> 3  
 <211> 24  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic DNA

<400> 3  
 gatgctgccc acctcttaat tgac

24

<210> 4  
 <211> 24  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic DNA

<400> 4  
 tcattcttttc catcctgggc ttgg

24

<210> 5  
 <211> 31  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic DNA

<400> 5

actctagaat ggagtttctt gaaagaacgt a

31

<210> 6  
 <211> 28  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic DNA

<400> 6  
 aatctagagt cacaggggtc ttcacaga

28

<210> 7  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

<400> 7

His Ile Ala Gly Ser Leu Ala Val Val Thr Asp Ala Ala His Leu Leu  
 1 5 10 15

<210> 8  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<400> 8

Cys Glu Arg Leu Leu Tyr Pro Asp Tyr Gln Ile Gln Ala Thr Val  
 1 5 10 15

<210> 9  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

<400> 9

Cys Leu Gly His Asn His Lys Glu Val Gln Ala Asn Ala Ser Val Arg  
 1 5 10 15

<210> 10  
 <211> 13  
 <212> PRT  
 <213> Homo sapiens

<400> 10

Tyr Phe Lys Pro Glu Tyr Lys Ile Ala Asp Pro Ile Cys  
 1 5 10